'06-[illegible]-01 14:15 From- [illegible]

PASSAIC VALLEY SEWERAGE COMMISSIONERS
APPLICATION FOR INDUSTRIAL TRUCKED-IN LIQUID WASTE

THIS APPLICATION TO BE COMPLETED BY WASTE GENERATOR

1. Waste Generator Name: Burlington County Board of Chosen Freeholders

2. Waste Generator Address: 49 Rancocas Road

Mt. Holly, NJ Zip Code: 08060

3. Waste Generator Telephone Number: (609) 265-5020 Fax No.: (609) 702-7000

4. Waste Generator US EPA ID No. (if any): N/A

5. Person to contact concerning information provided in this application:

Name of Contact: Laurie E. van Genderen

Title: Senior Solid Waste Planner

Phone No.: (609) 265-5021 ~~642~~ 856 3850 Fax No.: (609) 265-5022

Address: Freeholders Office, Room 108, 49 Rancocas Road, Mt. Holly, NJ

Zip Code: 08060

BILLING INFORMATION

6. Billing Contact Name: Kevin Stark

7. Billing Contact Address: 1200 Florence-Columbus Road

Bordentown, NJ Zip Code: 08505

8. Billing Contact Telephone Number: (609) 499-1001 Fax No.: (609) 499-5212

FACILITY INFORMATION [COMPLETE 9-12 ONLY IF DIFFERENT FROM 1-4 ABOVE]

9. Facility Name: Burlington County Resource Recovery Complex

10. Facility Address: Burlington-Columbus Road

Mansfield, NJ Zip Code: 08022

11. Facility Telephone Number: (609) 499-5303 Fax No.: (609) 499-5309

12. Facility US EPA ID No. (if any): N/A

13. Facility NPDES or NJPDES No. (if any): See attachment A

Post-it® Fax Note 7671	Date 6/6/01	# of pages ▶ 11
To LAURIE E. VAN G.	From M. URBANSKI	
Co./Dept.	Co.	
Phone #	Phone # (973) 466-2567	
Fax # 609-265-5022	Fax # -3194	

14. Brief description of manufacturing or other activity performed at facility: Solid Waste Processing and Disposal Facility

List SIC CODE # with description: 9511

REGULATORY INFORMATION

15. Is the Liquid Waste subject to applicable categorical pretreatment standard(s)? Yes/No No
If so, list pretreatment control authority: _____

16. List the industrial category for the Liquid Waste, if applicable: N/A
Subpart (s): _____

17. List regulatory compliance date(s), if applicable: N/A

18. Is facility in compliance? Yes/No N/A If not, and if compliance date has passed, explain actions being taken to get into compliance: N/A

PRETREATMENT

19. Does the Liquid Waste exceed any of the applicable categorical pretreatment standard(s) for this Liquid Waste? Yes/No No

RCRA

20. Does the Liquid Waste come from a facility, or any portion of the facility, that is regulated as a Federal and/or State Resource Conservation and Recovery Act (RCRA) facility for treatment, storage, or disposal?
Yes/No No If YES, explain: _____

IF YOUR RESPONSE IS "YES" TO ANY OF THE QUESTIONS NUMBERED 21 THROUGH 26 OR 28, PLEASE DO NOT PROCEED ANY FURTHER WITH THIS APPLICATION BECAUSE THE LIQUID WASTE CANNOT BE ACCEPTED FOR TREATMENT AT THE PASSAIC VALLEY SEWERAGE COMMISSIONERS WWTP.

21. Is the Liquid Waste a listed RCRA hazardous waste (40 CFR 261, N.J.A.C. 7:26G-1 et seq.) (F, P, K, U listed waste)? Yes/No No

22. Is the Liquid Waste a characteristic RCRA hazardous waste (40 CFR 261, N.J.A.C. 7:26G-1 et seq.) (D waste)? Yes/No No

23. Is the Liquid Waste a mixture of a RCRA hazardous waste (40 CFR 261, N.J.A.C. 7:26G-1 et seq.) with a non-hazardous waste? Yes/No No

24. Is the Liquid Waste derived from a listed RCRA hazardous waste (40 CFR 261, N.J.A.C. 7:26G-1 et seq.)? Yes/No No

25. Is the Liquid Waste the product of a spill/cleanup of a listed RCRA hazardous waste (40 CFR 261, N.J.A.C. 7:26G-1 et seq.)? Yes/No No

26. Was the Liquid Waste a listed RCRA hazardous (40 CFR Part 261) as generated and rendered RCRA non-hazardous by pretreatment? Yes/No No

27. Please provide any exclusions which may render the waste RCRA non-hazardous (40 CFR 261, N.J.A.C. 7:26G-1 et seq.). N/A

OTHER

28. Does the Liquid Waste contain substances in concentrations that are regulated by the Toxic Substances Control Act (TSCA) (40 CFR Subchapter R) including PCBs (40 CFR 761)?: Yes/No No

IF YOUR RESPONSE IS "YES" TO ANY OF THE QUESTIONS NUMBERED 21 THROUGH 26 OR 28 ABOVE, PLEASE DO NOT PROCEED ANY FURTHER WITH THIS APPLICATION. THE LIQUID WASTE CANNOT BE ACCEPTED FOR TREATMENT AT THE PASSAIC VALLEY SEWERAGE COMMISSIONERS (PVSC) WWTP. ANY PERSON DISCHARGING SUCH LIQUID WASTE VIA TRUCK TO PVSC'S WWTP FOR TREATMENT WILL BE SUBJECT TO PUNISHMENT INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

PROPERTIES OF THE LIQUID WASTE

29. Name of Liquid Waste: Burlington County Resource Recovery Complex Wastewater

Sludge _____ Graywater X

30. Description of process generating the Liquid Waste: See Attachment B

(Attach process flow diagram)– Attachment C

31. Principal raw materials used in the process generating the Liquid Waste: ID 10 (Municipal-Household, Commercial, Institutional Waste); ID 12 (Dry Sewage Sludge); ID 13 (Bulky Waste); ID 23 (Vegetative Waste); ID 25 .(Animal and Food Processing Waste); ID 27 (Dry Industrial Waste).

32. Principal products (or service) from which the Liquid Waste is generated: Sanitary landfills, sanitary wastewater system, and composting of sewage sludge.

33. Has the Liquid Waste been pretreated? Yes/No No
If so, describe pretreatment process in use: N/A

(Attach pretreatment process flow diagram)

34. Is the Liquid Waste generated as a result of a site cleanup/compliance activity?: Yes/No No
If so, describe cleanup/compliance activity and the regulatory program: N/A

35. Estimated quantity of Liquid Waste to be delivered:

Estimated gallons per week: average 75,000 gallons/day dependent on precipitation
Estimated gallons per year: year 2000 = 15,840,000 gallons
Estimated length of disposal services needed (months, years, one time, etc.):
June 2001 through October 2001

PLEASE NOTE THAT FOR DISPOSAL SERVICES EXTENDING BEYOND ONE YEAR, A COMPLETED APPLICATION FOR TRUCKED-IN LIQUID WASTE MUST BE SUBMITTED ANNUALLY.

36. Liquid Waste Composition (major components and CAS numbers):

Component	Concentration Range (wt.% or ppm) Lower	Upper	Typical
Landfill No. 1 leachate			20%
Landfill No. 2 leachate			50%
Sanitary flows			6%
Co-composting wastewater			24%
TOTAL			100%

37. Is Liquid Waste currently disposed at one or more facilities? If so, please provide the following information for the current facility or facilities:

FACILITY 1

Facility Name Mount Holly Municipal Utilities Authority
Facility Address Beverly Rancocas Road
Mt. Holly, NJ 08060
Type of Facility Publicly Owned Treatment Works
Facility Permit Number NJ0024015
Type of Permit NJPDES
Is Liquid Waste handled as RCRA hazardous or non-hazardous waste by this facility? No
Provide any limitations on the Liquid Waste imposed by this facility High levels of ammonia in wastewater was of concern.

FACILITY 2

Facility Name Gloucester County Utilities Authority
Facility Address Paradise Road
West Deptford, NJ 08096
Type of Facility Water Reclamation Facility
Facility Permit Number NJ0024686
Type of Permit NJPDES
Is Liquid Waste handled as RCRA hazardous or non-hazardous waste by this facility? No
Provide any limitations on the Liquid Waste imposed by this facility high levels of ammonia in wastewater led Gloucester County Utilities Authority to limit incoming loads of wastewater to six per day.

38. Is or has the facility ever been connected to a municipal sewer system? Yes/No **No**

If so, explain why this Liquid Waste is not discharged to the sewer **N/A**

39. Is there a separate component of the Liquid Waste stream disposed at other facilities, such as a sludge component? Yes/No **No**

If so, is the separate component disposed as a RCRA hazardous waste? Yes/No **N/A**
If so, indicate RCRA hazardous waste code(s) **N/A**

40. Is the Liquid Waste subject to reporting requirements under New Jersey Sludge Quality Assurance Regulations, also referred to as SQAR (N.J.A.C 7:14-4 et seq.), or the equivalent in the generator's state?: Yes/No **No**

If so, attach copies of SQAR or equivalent reports for the last six (6) months to this form.

41. Is the Liquid Waste known to gel or solidify? Yes/No **No**

42. Is the Liquid Waste known to be incompatible or reactive with other chemicals? Yes/No **No**

If so, list incompatibility(ies) **N/A**

ANALYSIS OF LIQUID WASTE

43. Does Liquid Waste contain separate phase organic material (floating or sinking oils or solvents) or solids? Yes/No **No** If yes, please list all phases _____

44. Analysis for all separate phases of the Liquid Waste must be performed on a representative sample collected: **N/A**

Samples collected by: _____
_____ Date: _____

Samples analyzed by: _____
_____ Date: _____

Products being manufactured when sample was collected: _____
_____

ALL SEPARATE PHASES MUST BE SAMPLED SEPARATELY. ALL SEPARATE PHASES MUST BE ANALYZED SEPARATELY AND REPORTED BY A STATE CERTIFIED ANALYTICAL LABORATORY (IN ALL ANALYSES PROVIDED). THE ANALYSES SUBMITTED MUST BE FOR THE LIQUID WASTE STREAM THAT IS THE SUBJECT OF THIS APPLICATION.

List State laboratory certification number _____

45. Analysis for all separate phases of the Liquid Waste must be performed on a representative sample collected for the waste stream:

For a GRAYWATER (typically less than 2% Total Solids) analyze for the parameters listed in Table 1A. Analysis for any metals listed in Table 1A should be for Total Metals (NOT TCLP METALS, WHICH ARE REQUIRED IN TABLE 3). Attach a complete laboratory analysis for all results listed in Table 1A including the Chain-of-Custody and signed Lab Certification.

See attachment D

Table 1A – GRAYWATER

Parameter	Value	Limit (mg/L)	Parameter	Value	Limit (mg/L)
Total Solids			Arsenic (As)		0.15
Volatile Solids			Cadmium (Cd)		0.19
Total Suspended Solids			Chromium Total (Cr)		Suspended
Volatile Suspended Solids			Copper (Cu)		3.02
Petroleum Hydrocarbons		100	Lead (Pb)		0.54
Biochemical Oxygen Demand (BOD)			Molybdenum (Mo)		Suspended
Chemical Oxygen Demand (COD)			Mercury (Report to 0.XXX)		0.080
Total Organic Carbon (TOC)			Selenium (Se)		
Ortho Phosphates as P			Nickel (Ni)		5.9
Ammonia as NH_3			Zinc (Zn)		1.67
Kjeldahl N as N					
			OTHER: (2)		
TTO (Report to 0.XXX) (1)					
TTVO (Report to 0.XXX) (1)					

(1) If required by Categorical Pretreatment Standards.
(2) List results for major components listed in question 36 and any additional parameters required by Categorical Pretreatment Standards.

For a SLUDGE (typically greater than 2% Total Solids) analyze for the parameters listed in Table 1B. Analysis for any metals listed in Table 1B should be for Total Metals (NOT TCLP METALS, WHICH ARE REQUIRED IN TABLE 3). Attach a complete laboratory analysis for all results listed in Table 1B including the Chain-of-Custody and signed Lab Certification.

N/A

Table 1B – SLUDGE

Parameter	Value	Parameter	Value (mg/kg)	Limit (mg/kg)
Total Solids		Arsenic (As)		41
Volatile Solids		Cadmium (Cd)		39
Total Suspended Solids		Chromium Total (Cr)		1,200
Petroleum Hydrocarbons		Copper (Cu)		1,500
Ortho Phosphates as P		Lead (Pb)		300
Ammonia as NH_3		Mercury (Hg)		17
Kjeldahl N as N		Molybdenum (Mo)		Suspended
		Nickel (Ni)		420
		Selenium (Se)		100
		Zinc (Zn)		2,800
		OTHER: (2)		
TTO (Report to 0.XXX) (1)				
TTVO (Report to 0.XXX) (1)				

(1) If required by Categorical Pretreatment Standards.
(2) List results for major components listed in question 36 and any additional parameters required by Categorical Pretreatment Standards.

46. List RCRA hazardous waste characterization analytical laboratory results and indicate which contaminants exceed regulatory levels. Attach RCRA hazardous waste characterization analytical laboratory results listed below. Analyses must be performed on a representative sample collected for the Liquid Waste that is the subject of this application.

IF ANY OF THE RCRA HAZARDOUS WASTE CHARACTERIZATION ANALYTICAL DATA VALUES EXCEED REGULATORY LEVELS, THE LIQUID WASTE CANNOT BE ACCEPTED FOR TREATMENT AT THE PASSAIC VALLEY SEWERAGE COMMISSIONERS (PVSC) WWTP. ANY PERSON DISCHARGING SUCH LIQUID WASTE VIA TRUCK TO PVSC'S WWTP FOR TREATMENT WILL BE SUBJECT TO PUNISHMENT INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.

See attachment D

Table 2 – RCRA TOXICITY CHARACTERISITICS

Waste Characteristic	Regulatory Level	Value	Exceeds Regulatory Level?	
			Yes	No
D001: Ignitability	liquids with a flash point below 140° F or 60° C			
D002: Corrosivity	liquids with a pH below 2 and above 12.5			
D003: Reactivity	liquids that are chemically unstable and readily undergo violent change, are susceptible to detonation, react violently with water, or emit toxic fumes. Reactive sulfide above 500 ppm; reactive cyanide above 250 ppm.			

Toxicity Characteristic Leachate Procedure or TCLP:

See attachment D

TABLE 3

Maximum Concentration of Contaminants for the Toxicity Characteristic

EPA HW No. {1}	Contaminant	CAS No.{2}	Regulatory Level (mg/L)	Value (mg/L)	Exceeds Regulatory Level?	
					Yes	No
D004	Arsenic	7440-38-2	5.0			
D005	Barium	7440-39-3	100.0			
D006	Cadmium	7440-43-9	1.0			
D007	Chromium	7440-47-3	5.0			
D008	Lead	7439-92-1	5.0			
D009	Mercury	7439-97-6	0.2			
D010	Selenium	7782-49-2	1.0			
D011	Silver	7440-22-4	5.0			
D012	Endrin	72-20-8	0.02			
D013	Lindane	58-89-9	0.4			
D014	Methoxychlor	72-43-5	10.0			
D015	Toxaphene	8001-35-2	0.5			
D016	2,4-D	94-75-7	10.0			
D017	2,4,5-TP (Silvex)	93-72-1	1.0			
D018	Benzene	71-43-2	0.5			
D019	Carbon tetrachloride	56-23-5	0.5			
D020	Chlordane	57-74-9	0.03			
D021	Chlorobenzene	108-90-7	100.0			
D022	Chloroform	67-66-3	6.0			
D023	o-Cresol	95-48-7	{4} 200.0			
D024	m-Cresol	108-39-4	{4} 200.0			
D025	p-Cresol	106-44-5	{4} 200.0			
D026	Cresol		{4} 200.0			
D027	1,4 - Dichlorobenzene	106-46-7	7.5			
D028	1,2 - Dichloroethane	107-06-2	0.5			
D029	1,1 - Dichloroethylene	75-35-4	0.7			
D030	2,4 - Dinitrotoluene	121-14-2	{3} 0.13			
D031	Heptachlor (and its epoxide)	76-44-8	0.008			

TABLE 3 (cont.)

Maximum Concentration of Contaminants for the Toxicity Characteristic (cont.)

EPA HW No. {1}	Contaminant	CAS No.{2}	Regulatory Level (mg/L)	Value (mg/L)	Exceeds Regulatory Level?	
					Yes	No
D032	Hexachlorobenzene	118-74-1	{3} 0.13			
D033	Hexachlorobutadiene	87-68-3	0.5			
D034	Hexachloroethane	67-72-1	3.0			
D035	Methyl ethyl ketone	78-93-3	200.0			
D036	Nitrobenzene	98-95-3	2.0			
D037	Pentachlorophenol	87-86-5	100.0			
D038	Pyridine	110-86-1	{3} 5.0			
D039	Tetrachloroethylene	127-18-4	0.7			
D040	Trichloroethylene	79-01-6	0.5			
D041	2,4,5-Trichlorophenol	95-95-4	400.0			
D042	2,4,6-Trichlorophenol	88-06-2	2.0			
D043	Vinyl chloride	75-01-4	0.2			

{1} Hazardous waste number.

{2} Chemical abstracts service number.

{3} Quantitation limit is greater than the calculated regulatory level. The quantitation limit therefore becomes the regulatory level.

{4} If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/l.

[55 FR 11862, Mar. 29, 1990, as amended at 55 FR 22684, June 1, 1990; 55 FR 26987, June 29, 1990; 58 FR 46049, Aug. 31,1993]

CERTIFICATION:

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true accurate, and complete. I am aware that there are significant penalties for submitting false, information, including the possibility of fine and imprisonment.

I further certify that:

The analytical data presented herein or attached hereto were derived from testing a representative sample of the Liquid Waste collected in accordance with 40 CFR 261.20 (c) or equivalent rules.

The Liquid Waste is not a "hazardous waste" as defined by Federal regulation and/or State regulation.

The Liquid Waste meets all applicable Federal categorical pretreatment standards.

The Liquid Waste does not contain regulated radioactive materials or regulated concentrations of PCBs.

All relevant information about the Liquid Waste regarding known or suspected hazards in the possession of the Generator has been disclosed.

If any changes occur in the character of the Liquid Waste, the Generator shall notify PVSC in writing prior to providing the material for disposal.

If the applicant is a corporation, a corporate resolution is attached granting me the authority to sign the application on behalf of the corporation.

Name of signing official: Mary Pat Robbie
PRINT

Management Specialist
TITLE

June 14, 2001
DATE

Mary Pat Robbie
SIGNATURE

* APPLICATION MUST BE SIGNED BY ONE OF THE FOLLOWING:
- a. Principal Officer of Corporation
- b. President or Owner of Company
- c. General Partner if a Partnership
- d. Plant Manager or Authorized Representative

Rev. 03/06/98

COUNTY of BURLINGTON

49 RANCOCAS ROAD
MOUNT HOLLY, NJ 08060-6000
FEDERAL I.D.# 21-6000-107-W
609.265.5012 FAX 609.265.5438

VOUCHER NO. _____

DATE 07/19/01 P.O.NO. 292230

Page 1

THIS ORDER NUMBER MUST APPEAR ON ALL PACKAGES, INVOICES AND SHIPPING PAPER

SUPPLIER

PASSAIC VALLEY SEWERAGE
COMMISSIONERS
600 WILSON AVE
NEWARK NJ 07105

SHIP TO (unless indicated below)

TEL 609-499-1001

COUNTY OF BURLINGTON
OFFICE OF SOLID WASTE
21939 COLUMBUS RD.
MANSFIELD, NJ 08022

VENDOR CODE	COUPON	ACCOUNT NUMBER	REQ. NO.	DELIVERY DATE	VENDORS REFERENCE NO.	TERMS
46400	12067	75-0713-034201	01SF0036	06/12/01		SEE BELOW

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
	Bill to: BURL CTY FREEHOLDERS OFFICE, M P ROBBIE; PO BOX 6000 MOUNT HOLLY NJ 08060-6000		
1.00 EA	TO FUND A CONTRACT WITH THE PASSAIC VALLEY SEWERAGE COMMISSIONERS FOR EMERGENCY DISPOSAL OF WASTEWATER FROM THE BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX. Quote Ref. # 447	12067*2 100,000.00	100,000.00
		TOTAL	100,000.00
	PER RESOLUTION #447 - DATED 6/13/01		
	N O T I C E : THIS PURCHASE ORDER CAN NOT EXCEED THE ABOVE STATED AMOUNT. 10/97 06121 0717 0718 0718 0719		
	* INSERT FEDERAL EMPLOYER IDENTIFICATION # EXEMPT Additional vouchers are available upon request from the County of Burlingt Web site at: http://co.burlington.nj.us/departments/purchasing.htm		
	22-6002471		

THIS VOUCHER MUST BE SIGNED AND RETURNED WITH YOUR INVOICE FOR PAYMENT

CLAIMANT'S CERTIFICATION AND DECLARATION

I do solemnly declare and certify under the penalties of law that the within bill is correct in all its particulars, that the articles have been furnished or services rendered as stated therein, that no bonus has been given or received by any person or persons within the knowledge of this claimant in connection with the above claim, that the amount therein stated is justly due and owing, and that the amount charged is a reasonable one.

VENDOR'S SIGNATURE X George F McGahn

EXTENSION AND FOOTINGS EXAMINED AND CHECKED

DATE COUNTY AUDITOR COUNTY ADMINISTRATOR

BURLINGTON COUNTY OFFICER'S CERTIFICATION

I HEREBY CERTIFY THAT THE ABOVE ARTICLES OR SERVICES WERE NECESSARY AND FOR THE SOLE USE OF THE COUNTY OF BURLINGTON, HAVE BEEN RECEIVED IN GOOD CONDITION OR PROPERLY PREFORMED. THAT THE QUANTITY AND QUALITY HAVE BEEN VERIFIED BY ME AND THE CHARGES ARE FAIR AND REASONABLE AND ACCORDING TO THE ORDER.

DATE SIGNATURE OF DEPARTMENT HEAD

THE ABOVE CLAIM WAS APPROVED AND ORDERED PAID

DATE COMPTROLLER

NEW WASTE STREAM PROFILE

CUSTOMER NUMBER: 132B

HAULER: Freehold Cartage Inc

DATE: 6/14/01

ACCEPT @ SITE (CHECK ONE)

EXPECTED VOLUME: 15,840,000 gal/yr

DURATION: 5Months

OLD HEAD END ☐

NEW HEAD END ☐

PRIMARY ☐

ZIMPRO ☐

LAB DATA:

BOD	823 mg/l
COD	1,817 mg/l
TSS	5,126 mg/l
pH	N/D s.u.

MISCELLANEOUS INFORMATION:

Leachate from Solid Waste Processing and Disposal Facility

Sanitary wastewater system and composting of sewer sludge

REMARKS:

Attachment A

NJPDES PERMITS
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX

PERMIT NUMBER	DESCRIPTION
NJ0055395	NJPDES - Discharge to Surface Water
NJ0130303	NJPDES - Stormwater Basins at Sanitary Landfills
NJ0083798	NJPDES - Discharge to Ground Water
NJ0082741	NJPDES - Sludge Processing/Distribution Facility
NJ0082007	NJPDES - Industrial Discharge Permit
0318000167	Solid Waste Facility Permit

Attachment B

Description of the Burlington County Resource Recovery Complex

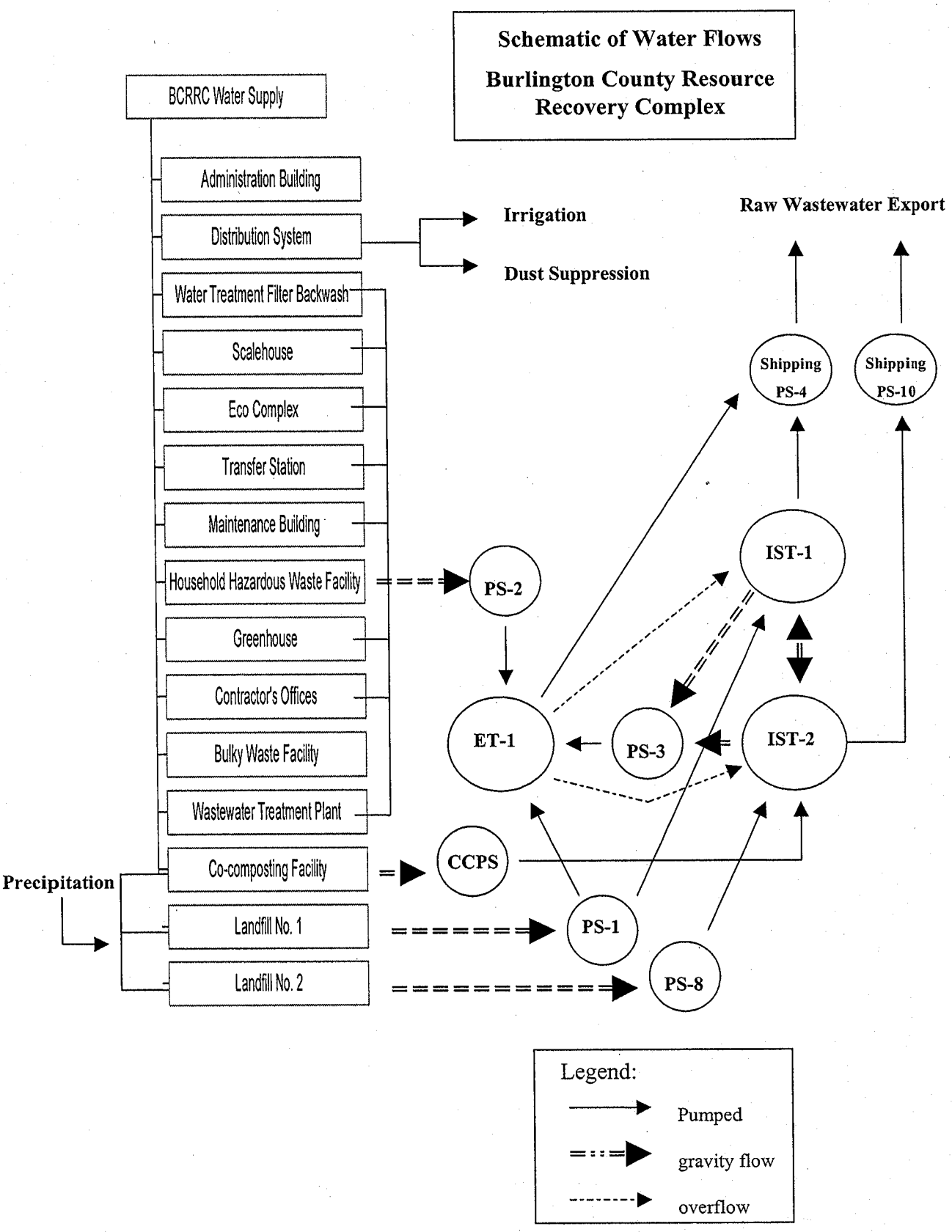
The Burlington County Board of Chosen Freeholders own and operate the Burlington County Resource Recovery Complex in Florence and Mansfield Townships, New Jersey. The Complex is the site of all solid waste processing and disposal activities undertaken by the County. The Complex is comprised of the following facilities:

- Scale house
- Maintenance garage
- Convenience center
- Transfer Station
- Landfill No. 1
- Landfill No. 2
- Leachate/wastewater treatment facility
- Stormwater sedimentation and detention basins
- Landfill Gas Flare No. 1 / Methane treatment facility
- Landfill Gas Flare No. 2
- Bulky materials recycling center
- Household and small quantity generators hazardous waste facility
- Greenhouse facility
- Co-composting facility

Adjacent to the Complex is the EcoComplex, an environmental experiment station for research, research demonstration, education and outreach. The EcoComplex houses office space, classrooms and research laboratories. Although not on site, the wastewater from the EcoComplex is a component of the Resource Recovery Complex wastewater along with the leachate from Sanitary Landfill Nos. 1 & 2, sanitary wastewater and wastewater from the Co-composting Facility.

Attachment C

Attachment D


Schematic of Water Flows
Burlington County Resource Recovery Complex
BCRRC Water Supply
Administration Building
Distribution System
Water Treatment Filter Backwash
Scalehouse
Eco Complex
Transfer Station
Maintenance Building
Household Hazardous Waste Facility
Greenhouse
Contractor's Offices
Bulky Waste Facility
Wastewater Treatment Plant
Co-composting Facility
Landfill No. 1
Landfill No. 2
Precipitation
Irrigation
Dust Suppression
Raw Wastewater Export
Shipping PS-4
Shipping PS-10
IST-1
IST-2
PS-2
ET-1
PS-3
CCPS
PS-1
PS-8
Legend:
Pumped
gravity flow
overflow

WASTEWATER DATA
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX

Location ID	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA
Sample Number	L279650-1	L282241-1	L515169-1	L525558-1	L544040-1	L544040-2	L286109-1	L622866-1	L632149-1	L605676-1	L629732-1	L580914-1	L660850-1	L694170-1	L717766-1	L730957-1	L743064-1	NJ010704-001
Sample Date	01/19/99	02/11/99	03/16/99	04/22/99	07/23/99	07/30/99	10/27/99	02/22/00	03/24/00	04/13/00	05/23/00	08/03/00	10/06/00	11/22/00	01/26/01	02/08/01	03/19/01	04/17/01
Volatiles: (ug/l)																		
1,1,1-TRICHLOROETHANE	10 U					10 U				16.1 J			16 U		16 U			
1,1,2,2-TETRACHLOROETHANE	10 U					10 U				2 U			14 U		16 U			
1,1,2-TRICHLOROETHANE	20 U					20 U				1 U			16 U		16 U			
1,1-DICHLOROETHANE	50 U					50 U				5.3 J			15.6 J		14 U			
1,1-DICHLOROETHENE	20 U					20 U				1.5 U			14 U		40 U			
1,2,4-TRICHLOROBENZENE	125 U				52.1 U					75 U			111 U		100 U			
1,2-DICHLOROBENZENE	50 U				52.1 U	50 U				1.5 U			16 U		18 U			
1,2-DICHLOROETHANE	20 U					20 U				2 U			14 U		14 U			
1,2-DICHLOROPROPANE	10 U					10 U				5.7 J			54 J		42 J			
1,2-DIPHENYLHYDRAZINE	125 U				52.1 U								111 U		100 U			
1,3-DICHLOROBENZENE	50 U				52.1 U	50 U				1.5 U			16 U		16 U			
1,4-DICHLOROBENZENE	50 U					50 U				1.9 J			16 U		16 U			
2,4,6-TRICHLOROPHENOL	250 U									150 U			222 U		200 U			
2,4-DICHLOROPHENOL	125 U									75 U			111 U		100 U			
2,4-DIMETHYLPHENOL	250 U									150 U			222 U		200 U			
2,4-DINITROPHENOL	117 J									98.1 J			111 U		1000 U			
2,4-DINITROTOLUENE	125 U				52.1 U					75 U			111 U		100 U			
2,6-DINITROTOLUENE	125 U				52.1 U					75 U			111 U		200 U			
2-BUTANONE	1470 J									67.8 J								
2-CHLOROETHYLVINYL ETHER	100 U					100 U				10 U			24 U		60 U			
2-CHLORONAPHTHALENE	125 U				52.1 U					75 U			111 U		100 U			
2-CHLOROPHENOL	250 U									150 U			222 U		200 U			
2-METHYL-4,6-DINITROPHENOL	125 U									67.8 J			111 U		200 U			
2-NITROPHENOL	102 J									51.8 J			135 J		138			
3,3'-DICHLOROBENZIDINE	125 U				52.1 U					75 U			111 U		100 U			
4-BROMOPHENYL-PHENYLETHER	125 U				52.1 U					75 U			111 U		100 U			
4-CHLORO-3-METHYLPHENOL	250 U									150 U			222 U		200 U			
4-CHLOROPHENYL-PHENYLETHER	125 U				52.1 U					75 U			111 U		100 U			
4-METHYL-2-PENTANONE	86.1 J																	
4-NITROPHENOL	125 U									75 U			67.3 J		100 U			
ACENAPHTHENE	50 U				20.8 U					30 U			111 U		40 U			
ACENAPHTHYLENE	50 U				20.8 U					30 U			111 U		40 U			
ACETONE	790 J									24 J								
ACROLEIN	500 U					500 U				25 U			150 U		160 U			
ACRYLONITRILE	250 U					250 U				16.5 U			54 U		60 U			
ANTHRACENE	50 U				20.8 U					30 U			111 U		40 U			
BENZENE	10 U					10 U				3 U			14.8 J		16 U			
BENZIDINE	500 U				208 U					300 U			444 U		400 U			
BENZO (A) ANTHRACENE	50 U				20.8 U					30 U			111 U		40 U			
BENZO (A) PYRENE	50 U				20.8 U					30 U			111 U		40 U			
BENZO (B) FLUORANTHENE	50 U				20.8 U					30 U			111 U		40 U			
BENZO (G,H,I) PERYLENE	50 U				20.8 U					30 U			111 U		40 U			
BENZO (K) FLUORANTHENE	50 U				20.8 U					30 U			111 U		40 U			
BENZOIC ACID	377 J									174 J								
BENZYL BUTYL PHTHALATE	125 U				52.1 U					75 U			111 U		100 U			
BIS (2-CHLOROETHOXY) METHANE	250 U				104 U					150 U			222 U		200 U			
BIS (2-CHLOROETHYL) ETHER	125 U				52.1 U					75 U			111 U		100 U			
BIS (2-ETHYLHEXYL) PHTHALATE	125 U				52.1 U					75 U			111 U		100 U			
BIS (CHLOROMETHYL) ETHER	21.6 J					30.1 J				25 U			32 U		80.2 J			
BIS(2-CHLOROISOPROPYL)ETHER	125 U				52.1 U					75 U			111 U		100 U			
BROMODICHLOROMETHANE	10 U					10 U				1 U			12 U		14 U			
BROMOFORM	10 U					10 U				1.5 U			16 U		18 U			
BROMOMETHANE	100 U					100 U				15.7 J			16 U		16 U			
CARBON TETRACHLORIDE	20 U					20 U				1.5 U			18 U		20 U			
CHLOROBENZENE	20 U					20 U				1 U			16 U		18 U			
CHLOROETHANE	100 U					100 U				4.6 J			14 U		16 U			
CHLOROFORM	10 U					10 U				4 U			14 U		16 U			
CHLOROMETHANE	100 U					100 U				14.9 J			14 U		14 U			
CHRYSENE	50 U				20.8 U					30 U			111 U		40 U			
CIS-1,3-DICHLOROPROPENE	50 U					50 U				1 U			14 U		14 U			
DI-N-BUTYLPHTHALATE	125 U				52.1 U					75 U			111 U		100 U			
DI-N-OCTYLPHTHALATE	250 U				104 U					150 U			222 U		200 U			
DIBENZO (A,H) ANTHRACENE	50 U				20.8 U					30 U			111 U		40 U			
DIBROMOCHLOROMETHANE	10 U					10 U				1 U			12 U		14 U			
DICHLORODIFLUOROMETHANE	10 U					10 U				10.5 J			16 U		18 U			
DIETHYL PHTHALATE	250 U				104 U					150 U			222 U		200 U			
DIMETHYLPHTHALATE	250 U				104 U					150 U			222 U		200 U			

WASTEWATER DATA
BURLINGTON COUNTY RESOURCE RECOVERY COMPLEX

Location ID	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA	MHSA
Sample Number	L279650-1	L282241-1	L515169-1	L525558-1	L544040-1	L544040-2	L286109-1	L622866-1	L632149-1	L605676-1	L629732-1	L580914-1	L660850-1	L694170-1	L717766-1	L730957-1	L743064-1	NJ010704-001
Sample Date	01/19/99	02/11/99	03/16/99	04/22/99	07/23/99	07/30/99	10/27/99	02/22/00	03/24/00	04/13/00	05/23/00	08/03/00	10/06/00	11/22/00	01/26/01	02/08/01	03/19/01	04/17/01
ETHYLBENZENE	33 J					17.2 J				12 J			28.2 J		103			
FLUORANTHENE	125 U				52.1 U					75 U			111 U		40 U			
FLUORENE	50 U				20.8 U					30 U			111 U		40 U			
HEXACHLOROBENZENE	125 U				52.1 U					75 U			111 U		100 U			
HEXACHLOROBUTADIENE	125 U				52.1 U					75 U			111 U		100 U			
HEXACHLOROCYCLOPENTADIENE	125 U				52.1 U					75 U			111 U		200 U			
HEXACHLOROETHANE	125 U				52.1 U					75 U			111 U		100 U			
INDENO (1,2,3-CD) PYRENE	50 U				20.8 U					30 U			111 U		40 U			
ISOPHORONE	125 U				52.1 U					75 U			111 U		100 U			
METHOXYCHLOR	0.105 U				0.1 U					0.01 U			0.02 U		0.01 U			
METHYLENE CHLORIDE	20 U					20 U				198			196		71.4 J			
N-NITROSO-DI-N-PROPYLAMINE	250 U				104 U					150 U			222 U		200 U			
N-NITROSODIMETHYLAMINE	100 J				104 U					150 U			222 U		200 U			
N-NITROSODIPHENYLAMINE	250 U				104 U					150 U			222 U		200 U			
NAPHTHALENE	50 U				20.8 U					30 U			111 U		40 U			
NITROBENZENE	125 U				52.1 U					75 U			111 U		100 U			
PENTACHLOROPHENOL	125 U									75 U			111 U		400 U			
PHENANTHRENE	50 U				20.8 U					30 U			111 U		40 U			
PHENOL	250 U																	
PYRENE	125 U				52.1 U					75 U			111 U		40 U			
TETRACHLOROETHENE	10 U					10 U				5.75 J			14 U		14 U			
TOLUENE	96.7					29.1 J				107			253		277			
TRANS-1,2-DICHLOROETHENE	20 U					20 U				2 U			14 U		16 U			
TRANS-1,3-DICHLOROPROPENE	50 U					50 U				1 U			12 U		14 U			
TRICHLOROETHENE	10 U					10 U				2.4 J			16 U		16 U			
VINYL CHLORIDE	50 U					50 U				2.5 U			14 U		14 U			
Pesticides & PCBs: (ug/l)																		
4,4'-DDD	0.105 U				0.1 U					0.04 U			0.08 U		0.04 U			
4,4'-DDE	0.105 U				0.1 U					0.04 U			0.08 U		0.04 U			
4,4'-DDT	0.105 U				0.1 U					0.05 U			0.1 U		0.05 U			
ALDRIN	0.0526 U				0.05 U					0.04 U			0.08 U		0.04 U			
ALPHA-BHC	0.0526 U				0.05 U					0.02 U			0.04 U		0.02 U			
AROCLOR-1016	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
AROCLOR-1221	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
AROCLOR-1232	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
AROCLOR-1242	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
AROCLOR-1248	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
AROCLOR-1254	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
AROCLOR-1260	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
BETA-BHC	0.0526 U				0.05 U					0.04 U			0.08 U		0.04 U			
CHLORDANE	0.526 U				0.5 U					0.2 U			0.4 U		0.2 U			
DELTA-BHC	0.0526 U				0.05 U					0.02 U			0.04 U		0.02 U			
DIELDRIN	0.105 U				0.1 U					0.03 U			0.06 U		0.03 U			
ENDOSULFAN I	0.0526 U				0.05 U					0.02 U			0.04 U		0.02 U			
ENDOSULFAN II	0.105 U				0.1 U					0.04 U			0.08 U		0.04 U			
ENDOSULFAN SULFATE	0.105 U				0.1 U					0.04 U			0.08 U		0.04 U			
ENDRIN	0.0526 U				0.05 U					0.05 U			0.1 U		0.05 U			
ENDRIN ALDEHYDE	0.105 U				0.1 U					0.05 U			0.1 U		0.05 U			
GAMMA-BHC	0.0526 U				0.05 U					0.03 U			0.06 U		0.03 U			
HEPTACHLOR	0.0526 U				0.05 U					0.02 U			0.04 U		0.02 U			
HEPTACHLOR EPOXIDE	0.0526 U				0.05 U					0.05 U			0.1 U		0.05 U			
TOXAPHENE	0.526 U				0.5 U					0.5 U			1 U		0.5 U			
Metals: (ug/l)																		
ARSENIC	42.7				12.2					11.6			36		24.1			
CADMIUM	4 U				4 U					4 U			4 U		4 U			
CHROMIUM	23.3				18.4					15.7			49.3		27.1			
COPPER	89.4				26.5					52.1			16.8		35.9			
LEAD	5 U				5 U					5 U			5 U		5 U			
MERCURY, TOTAL	10U				10U					10U			10U		10U			
NICKEL	77.3				39.1					37.9			51.2		43.5			
ZINC	308				85.5					164			83.5		96.7			
General Chemistry: (mg/l)																		
AMMONIA NITROGEN	2500	1760	2200	1250		360	940	1600		620	1250	1800	410	1450	1000	1200	1180	490
CARBONACEOUS BOD	680	524	101	125	47.3		81.1 U		185	509	129	209	2520	1010	1200			178
CHEMICAL OXYGEN DEMAND	3310	2760	2450	1690		608	1150	103		919	1020	3150	2820	3030	1680			1218
NITROGEN, KJELDAHL	1890	1250	2360	1040		402	976	1920		444	1070	1250	343	1160	787	1100	920	
TOTAL DISSOLVED SOLIDS	4470	3550	3000	2680	1760		2040	2140		1910	1260	4060	5230	3910	2560			2000
TOTAL SUSPENDED SOLIDS	80	68	66	262	51		98	62		34	46	1660	400	660	33000			104
TPH	1.92				0.7	0.5 U				0.91			2.3		3.4			